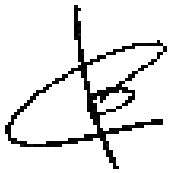
All.3.3 Silenziatori scarico fumi.



Commissioning Level:	LEVEL 2_RED	
Item Number:	C001	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	A STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI	Local GEA *GEA Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset*	8000	2640	3610	20380	17/11/22	C
Silencieux /*Exhaust Silencer*	6150	∅ DN600		1400	22/08/22	C

Commissioning Level:	LEVEL 2_RED	
Item Number:	C001	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	A STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

1 MISE EN PLACE DU GEA / *GEA INSTALLATION*

GEA	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00279
N° série alternateur / *Alternator serial number*	4Y702036

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Eneria CAT	Commissioning Level:	LEVEL 2_RED	Data4
	Item Number:	C001	
	Item Description:	LV GENERATOR	
	Equipment ID / Asset Tag:	A STRING GE	GISIMO S.r.l.
	Discipline:	MECHANICAL	
	Contractor / Vendor:	ENERIA	

2 MISE EN PLACE DU SILENCIEUX DU GEA / *GEA EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date
Date 25/11/2022

Signature Contrôleur
Signature controller

Commissioning Level:	LEVEL 2_RED	
Item Number:	C001	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	A STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 2_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Gouygou		
Date:	25/11/2022		
Signature			

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C002
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	B STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

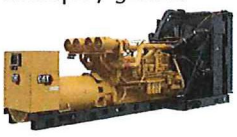
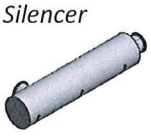
Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI	Local GEB *GEB Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset* 	8000	2640	3610	20380	17/11/22	C
Silencieux /*Exhaust Silencer* 	6150	∅ DN600		1400	22/09/22	C

Commissioning Level:	LEVEL 2 RED	
Item Number:	C002	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	B STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

1 MISE EN PLACE DU GEB / *GEB INSTALLATION*

GEB	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00276
N° série alternateur / *Alternator serial number*	4Y702034

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Eneria CAT	Commissioning Level:	LEVEL 2_RED	Data4 SMART & SCALABLE DATA CENTERS
	Item Number:	C002	
	Item Description:	LV GENERATOR	
	Equipment ID / Asset Tag:	B STRING GE	GISIMO S.r.l
	Discipline:	MECHANICAL	
	Contractor / Vendor:	ENERIA	

2 MISE EN PLACE DU SILENCIEUX DU GEB / *GEB EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date
Date 25/11/2021

Signature Contrôleur
Signature controller

Commissioning Level:	LEVEL 2_RED	
Item Number:	C002	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	B STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 2_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Goovgou		
Date:	25/11/2022		
Signature			

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C003
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	C STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI	Local GEC *GEC Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset*	8000	2640	3610	20380	18/11/22	C
Silencieux /*Exhaust Silencer*	6150	∅ DN600		1400	22/03/22	C

Eneria CAT	Commissioning Level:	LEVEL 2_RED	Data4 SMART & SCALABLE DATA CENTERS
	Item Number:	C003	
	Item Description:	LV GENERATOR	
	Equipment ID / Asset Tag:	C STRING GE	GISIMO S.r.l
	Discipline:	MECHANICAL	
	Contractor / Vendor:	ENERIA	

1 MISE EN PLACE DU GEC / *GEC INSTALLATION*

GEC	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00294
N° série alternateur / *Alternator serial number*	4Y702042

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C003
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	C STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

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GISIMO S.r.l

2 MISE EN PLACE DU SILENCIEUX DU GEC / *GEC EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date 25/11/2022
Date

Signature Contrôleur
Signature controller

Commissioning Level:	LEVEL 2_RED	
Item Number:	C003	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	C STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 1_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Gouygou		
Date:	25/11/2022		
Signature			

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C004
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	D STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI	Local GED *GED Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset*	8000	2640	3610	20380	18/11/22	C
Silencieux /*Exhaust Silencer*	6150	∅ DN600		1400	22/09/22	C

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C004
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	D STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Data4 SMART & SCALABLE DATA CENTERS

GISIMO S.r.l.

1 MISE EN PLACE DU GED / *GED INSTALLATION*

GED	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00277
N° série alternateur / *Alternator serial number*	4Y702035

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Commissioning Level:	LEVEL 2_RED	
Item Number:	C004	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	D STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

2 MISE EN PLACE DU SILENCIEUX DU GED / *GED EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date
Date 25/11/2022

Signature Contrôleur
Signature controller

Commissioning Level:	LEVEL 2_RED	
Item Number:	C004	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	D STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 1_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Gooygou		
Date:	25/11/2022		
Signature			

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C005
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	E STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Data4 SMART & SCALABLE DATA CENTERS

GISIMO S.r.l.

Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI Impianti Energia	Local GEE *GEE Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset* 	8000	2640	3610	20380	05/10/22	C
Silencieux /*Exhaust Silencer* 	6150	∅ DN600		1400	17/08/22	C

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C005
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	E STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Data4 SMART & SCALABLE DATA CENTERS

GISIMO S.r.l

1 MISE EN PLACE DU GEE / *GEE INSTALLATION*

GEE	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00293
N° série alternateur / *Alternator serial number*	4Y702048

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C005
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	E STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Data4 SMART & SCALABLE DATA CENTERS

GISIMO S.r.l

2 MISE EN PLACE DU SILENCIEUX DU GEE / *GEE EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date
Date 25/11/2022

Signature Contrôleur
Signature controller

Commissioning Level:	LEVEL 2_RED	
Item Number:	C005	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	E STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 2_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Gavgoo		
Date:	25/11/2022		
Signature	Gavgoo		

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C006
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	F STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Data4 SMART & SCALABLE DATA CENTERS

GISIMO S.r.l.

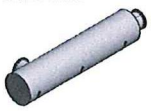
Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI	Local GEF *GEF Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset* 	8000	2640	3610	20380	05/10/22	C
Silencieux /*Exhaust Silencer* 	6150	∅ DN600		1400	27/08/22	C

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C006
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	F STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Data4 SMART & SCALABLE DATA CENTERS

GISIMO S.r.l

1 MISE EN PLACE DU GEF / *GEF INSTALLATION*

GEF	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00307
N° série alternateur / *Alternator serial number*	4Y702059

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Commissioning Level:	LEVEL 2_RED	
Item Number:	C006	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	F STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

2 MISE EN PLACE DU SILENCIEUX DU GEF / *GEF EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date
Date 25/11/2022

Signature Contrôleur
Signature controller

Eneria CAT	Commissioning Level:	LEVEL 2_RED	Data4 SMART & SCALABLE DATA CENTERS
	Item Number:	C006	
	Item Description:	LV GENERATOR	
	Equipment ID / Asset Tag:	F STRING GE	GISIMO S.r.l.
	Discipline:	MECHANICAL	
	Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 1_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Gouygou		
Date:	25/11/2022		
Signature	Gouygou		

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C007
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	G STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI	Local GEG *GEG Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset*	8000	2640	3610	20380	04/10/22	C
Silencieux /*Exhaust Silencer*	6150	∅ DN600		1400	17/08/22	C

Commissioning Level:	LEVEL 2_RED	
Item Number:	C007	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	G STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

1 MISE EN PLACE DU GEG / *GEG INSTALLATION*

GEG	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00312
N° série alternateur / *Alternator serial number*	4Y702080

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Eneria CAT	Commissioning Level:	LEVEL 2_RED	Data4 SMART & SCALABLE DATA CENTERS
	Item Number:	C007	
	Item Description:	LV GENERATOR	
	Equipment ID / Asset Tag:	G STRING GE	GISIMO S.r.l.
	Discipline:	MECHANICAL	
	Contractor / Vendor:	ENERIA	

2 MISE EN PLACE DU SILENCIEUX DU GEG / *GEG EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date 25/11/2022
Date

Signature Contrôleur
Signature controller

Commissioning Level:	LEVEL 2_RED	
Item Number:	C007	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	G STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 2_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Gouygou		
Date:	25/4/2022		
Signature	Gouygou		

Commissioning Level:	LEVEL 2_RED	
Item Number:	C008	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	H STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

Centrale secours groupe électrogène - DATA4 bâtiment DC07 Milan

Genset Backup Power station - DATA4 building DC07 Milan

PV d'autocontrôles – Installation Groupes Electrogènes et Silencieux

Self-checking report – Installation of Gensets and Exhaust Silencers

Installateur *Installer*	Localisation Location	Position Position
IMPIANTI	Local GEH *GEH Room*	According to plan GD-IM-220065-10

Equipement *Equipment*	Longueur *Length* (mm)	Profondeur *Depth* (mm)	Hauteur *Height* (mm)	Poids *Weight* (kg)	Date livraison *Delivery date*	Conforme *Compliant* (C/NC)
Groupe / *genset* 	8000	2640	3610	20380	04/10/22	C
Silencieux /*Exhaust Silencer* 	6150	∅ DN600		1400	27/08/22	C

Eneria CAT	Commissioning Level:	LEVEL 2_RED
	Item Number:	C008
	Item Description:	LV GENERATOR
	Equipment ID / Asset Tag:	H STRING GE
	Discipline:	MECHANICAL
	Contractor / Vendor:	ENERIA

Data4 SMART & SCALABLE DATA CENTERS

GISIMO S.r.l

1 MISE EN PLACE DU GEH / *GEH INSTALLATION*

GEH	
Modèle / *Model*	3516EHD-3250kVA
N° série groupe / *Genset Serial number*	ZNL00313
N° série alternateur / *Alternator serial number*	4Y702058

1.1 Livraison et manutention du GE / *Delivery and handling of GE*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du GE *Visual verification of the state of genset*	C	
Caisse accessoire (brides, batteries) *Accessory box (clamps, batteries)*	C	
Déchargement & Manutention *Unloading & Handling*	C	

1.2 Condition de mise en place dans le local / *Condition of installation in the room*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Peinture au sol *Floor painting*	C	
Silencieux échappement *Exhaust silencer*	C	
Habillage insonorisé des murs *Soundproof wall cladding*	C	

1.3 Mise en place du groupe/ *Genset Installation*

DESIGNATION	C/NC	COMMENT
Plot antivibration *Vibration pad*	C	
Positionnement GE *GE positioning*	C	
Protection equipement : bâche *Equipement protection : tarpaulin*	C	

Commissioning Level:	LEVEL 2_RED	
Item Number:	C008	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	H STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

2 MISE EN PLACE DU SILENCIEUX DU GEH / *GEH EXHAUST SILENCER INSTALLATION*

2.1 Livraison et manutention du silencieux / *Delivery and handling of exhaust silencer*

DESIGNATION	C/NC	COMMENT
Vérification visuelle de l'état du silencieux *Visual verification of the state of exhaust silencer*	C	
Présence accessoire : 2x demi collier *Accessory presence: 2x half collar*	C	
Déchargement & Manutention *Unloading & Handling*	C	

2.2 Condition de mise en place Local GE / *GE Room Installation condition*

DESIGNATION	C/NC	COMMENT
Zone d'implantation libre *Free area of implantation*	C	
Position suspentes *Hangers position*	C	

2.3 Mise en place du silencieux / *Exhaust silencer Installation*

DESIGNATION	C/NC	COMMENT
Positionnement et fixation silencieux *Positioning and fixing of the silencer*	C	

Pour valoir ce que de droit
To assert what of right

Date
Date 25/11/2022

Signature Contrôleur
Signature controller

Commissioning Level:	LEVEL 2_RED	
Item Number:	C008	
Item Description:	LV GENERATOR	
Equipment ID / Asset Tag:	H STRING GE	
Discipline:	MECHANICAL	
Contractor / Vendor:	ENERIA	

LAST PAGE

LEVEL 2_RED	ENERIA	GISIMO/IMOGIS	CX AGENT
Name:	Alexis Gouygou		
Date:	25/11/2022		
Signature			

Proprietà

DATA 4 ITALY

Progetto

DC 07
MILAN

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Assistente del committente	**GARRETTI ASSOCIATI S.r.l.** via Trieste, 9 - 20146 MILANO www.garrettiassociati.it	Tél. : +39 02 430 6931 Fax : +39 02 480 170 51
Progetto architettonico	**GARRETTI ASSOCIATI S.r.l.** via Trieste, 9 - 20146 MILANO www.garrettiassociati.it	Tél. : +39 02 430 6931 Fax : +39 02 480 170 51
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impianti elettrici/dati	**ENGIE CONTRACTING ITALIA S.r.l.** Via Chiese, 72 - 20126 - MILANO www.engie.com	Tél. : +39 02 94399262 Fax : +39 02 94399655
	SCHNEIDER ELECTRIC S.p.A. Via Circonvallazione Est, 1 - 24040 STEZZANO (BG) www.schneider-electric.com	Tél. : +39 0354151111 Fax : +39 0354153200
	ENERIA Rue de Longpont - BP 10202 - 91311 MONTLHERY Cedex - FRANCE www.eneria.fr	Tél. : +33 (0) 169802100 Fax : +33 (0) 169802150
Progettazione antincendio	**STUDIO TECNICO ZACCARELLI S.r.l.** via Ludovico il Moro, 17 - 20143 MILANO www.studiozaccarelli.it	Tél. : +39 02 891 200 81 Fax : +39 02 813 962 8
Supervisione	**ITALSOCOTEC S.p.a.** Via Pontaccio,12/A- 20121 Milano italsocotec@italsocotec.it	Tél. : +39 02 89051500 Fax : +39 02 89051501

Cod	Data	Descrizione
	31/01/2023	DOE

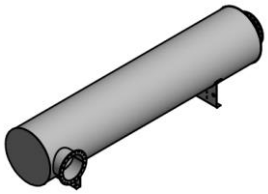
DATA 4 ITALY - DC07 Milan
Fiche technique silencieux / Silencer datasheet
Scheda silenziatone motore

Pos. 1 8 pièce **SILENCIEUX D'ÉCHAPPEMENT** **SDRA-1265-7401/5600-3-1H-2A-G**
EXHAUST GAS SILENCER

Principe de fonctionnement / *working principle:*

Silencieux à absorption et à réflexion /
combined-reactive-absorptive silencer

(horizontal)



Exemple de réalisation

PARAMETRES DE DESIGN / *DESIGN PARAMETERS*

Type de moteur / *engine type*	3516E		
Quantité de cylindres / *number of cylinders*	16		
Vitesse de rotation / *rotating speed*	1500		rpm
Atténuation / *Transmission Loss*	- 50		dB(A)
Température de service max. / *max. operating temperature*	550		°C
Pression de service max / *max. operating pressure*	0,1		barg

DIMENSIONS / *dimensions*

Diamètre extérieur / *outside diameter*	Ø 1265		mm
Longueur totale / *total length*	+/- 5900		mm
Raccordements entrée / *inlet connection*	600/10	radial / *radial*	DN/PN
Raccordements sortie / *outlet connection*	600/10	axial / *axial*	DN/PN
Poids / *weight*	+/- 1350		kg

MATERIAUX / *material*

Silencieux d'échappement / *exhaust gas silencer*	Acier / *steel*
Brides / *flanges*	Acier / *steel*
Traitement superficiel / *surface treatment*	Primaire / *priming coat*

8 Lot pour Pos.1 **CONTRE-BRIDES, BOULONS, JOINTS**
COUNTER FLANGES, BOLTS, GASKETS

Se compose de / *consisting of:*

Entrée de gaz d'échappement */ Exhaust gas inlet :*

- 1 pc. Bride */ flange:*
  - DN600/PN10
  - Matériau: Acier / material: steel
  - EN1092-1 red. Typ 0
- 1 pc. Joint / flat gasket :
  - DN600/PN10
  - Matériaux: novaphitSSTC / material: novaphitSSTC

Sortie de gaz d'échappement */ Exhaust outlet connection:*

- 1 pc. Bride */ flange:*
  - DN600/PN10
  - Matériau: Acier / material: steel
  - EN1092-1 red. Typ 0
- 1 pc. Joint / flat gasket :
  - DN600/PN10
  - Matériaux: novaphitSSTC / material: novaphitSSTC

Y compris / *additional:*

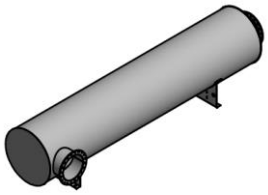
- 1 lot Boulons (pour chaque connexion bridée)
  1 set bolts and nuts (for each flange connection)

Fréquence en tiers d'octave **Octave-frequency**	31,5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Atténuation **Transmission Loss**	12 dB	25 dB	44 dB	48 dB	55 dB	60 dB	60 dB	55 dB

Débit massique en kg/h **Mass flow in kg/hr**	15970	15172	13575	11978	10381
Vitesse en m/s **Velocity in m/s**	34,6	32,9	29,4	25,9	22,5
Perte de charge en mbar **Pressure drop** in mbar	11	10	8	7	5

Pos. 1 8 unità. **SILENZIATORE DI SCARICO** *EXHAUST GAS SILENCER* **SDRA-1265-7401/5600-3-1H-2A-G**

Linee operative:
silenziatore ad assorbimento reattivo-combinato (orizzontale)
Functional principle:
combined-reactive-absorptive silencer (horizontal / vertical version)



Esempio di design

PARAMETRI DI DESIGN / *DESIGN PARAMETERS*

Tipo di motore */ engine type*	3516E		
Quantità di cilindri */ number of cylinders*	16		
Numero di giri */ rotating speed*	1500		rpm
Attenuazione / *Transmission Loss*	- 50		dB(A)
Temperatura di esercizio max */ max. operating temperature*	550		°C
Pressione di esercizio max */ max. operating pressure*	0,1		barg

DIMENSIONI / *DIMENSIONS*

Diametro esterno / outside diameter	Ø 1265		mm
Lunghezza totale / total length	+/- 5900		mm
Attacco ingresso / inlet connection	600/10	radiale */ radial*	DN/PN
Attacco uscita / outlet connection	600/10	assiale */ axial*	DN/PN
Peso / weight	+/- 1350		kg

MATERIALE / *MATERIAL*

Silenziatore di scarico / exhaust gas silencer	acciaio */ steel*
Flangia / flanges	acciaio */ steel*
Trattamento superficiale / surface treatment	Vernice di fondo / priming coat

8 unità per pos. 1 **CONTROFLANGIA, VITI, GUARNIZIONI**
COUNTER FLANGES, BOLTS, GASKETS

Composto da / *consisting of*:

Ingresso del gas di combustione ***/ exhaust inlet connection:***

- 1 unità Flangia / *flange;* DN600/PN10;
  Materiale: acciaio / *material: steel*
  (EN1092-1 Typ 01)
- 1 unità Guarnizione / *flat gasket;* DN600/PN10
  Materiale: acciaio / *material: steel*

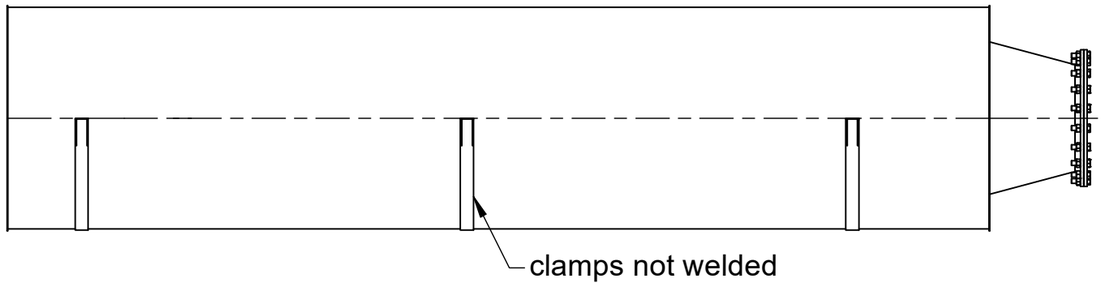
Uscita del gas di combustione ***/ exhaust outlet connection:***

- 1 unità Flangia / *flange;* DN600/PN10;
  Materiale: acciaio / *material:steel*
  (EN1092-1 Typ 01)
- 1 unità Guarnizione / *flat gasket;* DN600/PN10
  Materiale: acciaio / *material:steel*

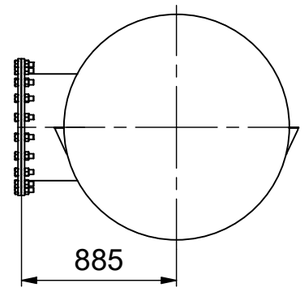
- 1 set Viti e dadi (per ciascuna connessione flangia) /
  bolts and nuts (for each flange connection)

Frequenza d'ottava **Octave-frequency**	31,5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Attenuazione / **Transmission Loss**	12 dB	25 dB	44 dB	48 dB	55 dB	60 dB	60 dB	55 dB

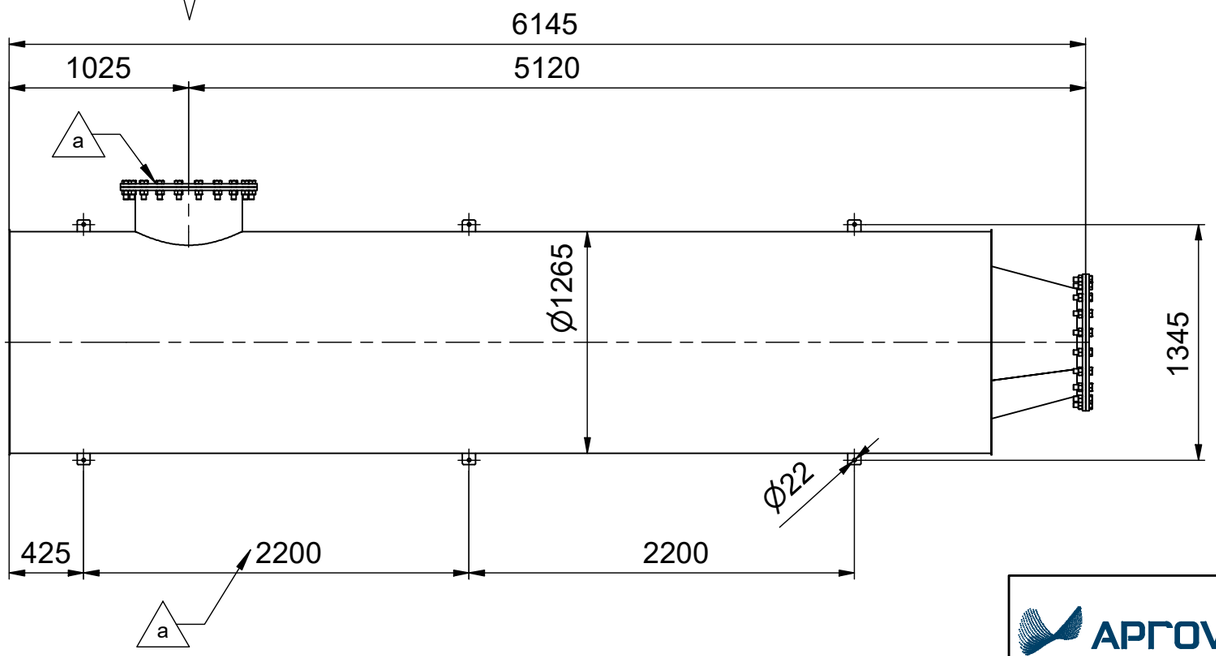
Portata fumi in kg/ora **Mass flow in kg/hr**	15970	15172	13575	11978	10381
Velocità in m/s **Velocity in m/s**	34,6	32,9	29,4	25,9	22,5
Perdita di pressione in mbar **Pressure drop** in mbar	11	10	8	7	5

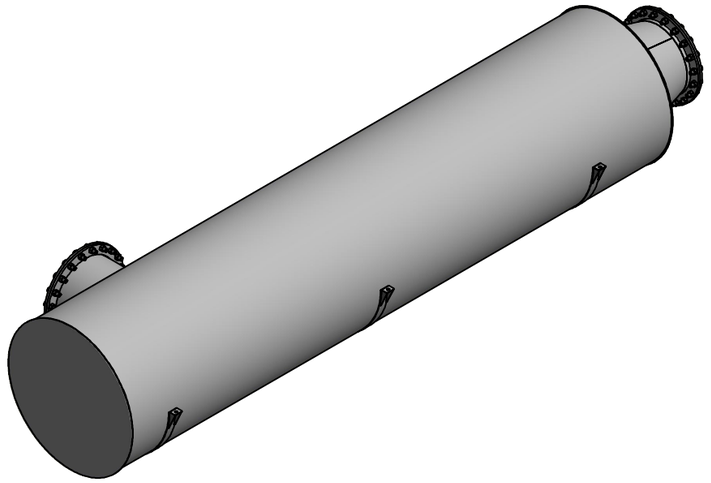


exhaust gas outlet
DN600 PN10



exhaust gas inlet
DN600 PN10





	Modifications	Name	Date
a	- Clamp position changed - Exhaust gas inlet turned - Condensate removed	Schmidt	01.04.2022
Status	Revisionsverlauf		

APROVIS

	Date	Name
Designed	29.03.2022	Schmidt
Checked		
Norm		

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exhaust gas silencer

SDRA-1265-7401/5600-3-1H-2A-G

AP-010-22472a

Sh. 1 /1

A3

Developed from: